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## MEDICAL FLUID INJECTOR

Abstract of the Disclosure

A medical fluid injector includes: an air detection system for detecting air in the neck of the syringe; a hand-operated control lever for controlling movement of the injector ram; magnetic conductors for delivering magnetic fields from a power head face plate to an internal circuit board to permit detection of different face plates; a tilt sensor detecting the tilt angle of the power head to control the speed of motion brought about by the hand-operated control lever and to control an invertible display; and a monitor microcontroller for monitoring the behavior of the central processing unit to detect and react to error conditions.

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